What is claimed is:

| 1 | 1. A system for switching between a plurality of video cameras, the |
|---|---|
| 2 | system comprising: |
| 3 | a camera controller for controlling the plurality of video cameras; |
| 4 | a plurality of addressable power switches, wherein each addressable power |
| 5 | switch is coupled to and controls power applied to a corresponding video camera; |
| 6 | an output device capable of receiving a video signal from any of the |
| 7 | plurality of video cameras and configured to output the video signal received; and |
| 8 | a switch controller controlled by the camera controller for addressing the |
| 9 | plurality of addressable power switches. |
| 1 | 2. The system of claim 1, wherein the switch controller controls |
| 2 | application of power to the plurality of video cameras such that power is applied to a |
| 3 | single video camera at a time. |
| 1 | 3. The system of claim 1, wherein switch controller includes a |
| 2 | wireless transmitter, and wherein the addressable power switches includes wireless |
| 3 | receivers. |
| | |
| 1 | 4. The system of claim 3, wherein the wireless transmitter is |
| 2 | configured to transmit radio frequency signals to the wireless receivers, and wherein the |
| 3 | wireless receivers are configured to receive radio frequency signals from the wireless |
| 4 | transmitter. |
| 1 | 5. The system of claim 1, wherein the switch controller is integrated |
| 2 | into the camera controller. |

| 1 | 6. The system of claim 5, wherein the camera controller is integrated | |
|----|--|--|
| 2 | into customer premises equipment that is communicatively coupled to a cable network. | |
| 1 | 7. The system of claim 1, wherein a camera control process provides | |
| 2 | commands from remote access controllers to the camera controller. | |
| 1 | 8. The system of claim 7, wherein an authentication process limits | |
| 2 | commands accepted to only authorized commands. | |
| 1 | 9. The system of claim 7, wherein an encryption process provides | |
| 2 | security to video signals transmitted from the camera controller to a remote access | |
| 3 | controller. | |
| 1 | 10. The system of claim 1, wherein the plurality of video cameras | |
| 2 | comprise wireless transmitters for sending video signals to the output device, and whereir | |
| 3 | the output device comprises a wireless receiver for receiving video signals from the | |
| 4 | plurality of video cameras. | |
| 1 | 11. A camera controller for controlling a plurality of video cameras, | |
| 2 | the camera controller comprising: | |
| 3 | a memory configured with a camera control process; | |
| 4 | a communication bus coupled to the memory for transmitting command | |
| 5 | codes from the camera control process; and | |
| 6 | a switch controller coupled to the communication bus for receiving the | |
| 7 | command codes, | |
| 8 | wherein the switch controller is configured to use the command codes to | |
| 9 | control a plurality of addressable power switches that control application of power to the | |
| 10 | plurality of video cameras. | |

| 1 | 12. | The camera controller of claim 11, wherein the memory is further |
|---|-----------------------|---|
| 2 | configured with an a | authentication process for authenticating remote commands to control |
| 3 | the plurality of came | eras. |
| | | |
| 1 | 13. | The camera controller of claim 12, wherein the memory is further |
| 2 | configured with an e | encryption process to securely transmit video from the camera |
| 3 | controller to a reque | sting controller. |
| 1 | 14. | The camera controller of claim 11, wherein the switch controller |
| 2 | comprises a wireless | s transmitter for transmitting control signals to the plurality of |
| 3 | addressable power s | |
| | | |
| 1 | 15. | The camera controller of claim 14, wherein the switch controller |
| 2 | comprises a decoder | for decoding the command codes to generate the control signals. |
| 1 | 16. | The camera controller of claim 11, wherein the camera controller is |
| 2 | incorporated into a s | set top box. |
| 1 | 17. | The camera controller of claim 11, wherein the camera controller is |
| 2 | provided as part of c | customer premises equipment that is configured to transmit video over |
| 3 | a cable network. | |
| | | |
| 1 | 18. | The camera controller of claim 11, wherein the camera controller is |
| 2 | provided as part of c | customer premises equipment that is configured to transmit video over |
| 3 | an Internet. | |

| 4 | 19. A method for monitoring a plurality of video cameras, the method | | |
|----|--|--|--|
| 5 | comprising: | | |
| 6 | processing a command to view images from a particular camera of the | | |
| 7 | plurality of video cameras to determine if the command is authorized; | | |
| 8 | if the command is authorized, then generating a control code and | | |
| 9 | communicating the control code to a power switch controller; | | |
| 10 | decoding the control code to generate control signals, wherein the control | | |
| 11 | signals are configured such that power is applied to a single video camera at a time; and | | |
| 12 | transmitting the control signals to a plurality of addressable power | | |
| 13 | switches, wherein each addressable power switch is coupled to and controls power | | |
| 14 | applied to a corresponding video camera. | | |
| 1 | 20. The method of claim 19, wherein the transmitting occurs by | | |
| 2 | sending signals over AC power lines that provide power the video cameras and the power | | |
| 3 | switch controller. | | |
| 1 | 21. The method of claim 19, wherein the transmitting occurs by | | |
| 2 | sending control signals over a radio-frequency carrier from the power switch controller to | | |
| 3 | the addressable power switches. | | |
| 1 | 21. The method of claim 19, wherein the plurality of cameras are | | |
| 2 | placed about a premises of a customer. | | |
| | | | |
| 1 | 22. The method of claim 21, wherein the command is received from a | | |
| 2 | local system within the premises of the customer. | | |
| 1 | 23. The method of claim 21, wherein the command is received from a | | |
| 2 | remote system outside the premises of the customer. | | |

| 1 | A system for switching between a plurality of video cameras, the |
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| 2 | system comprising: |
| 3 | means for processing a command to view images from a particular camera |
| 4 | of the plurality of video cameras to determine if the command is authorized; |
| 5 | means for generating a control code and for communicating the control |
| 6 | code to a power switch controller if the command is authorized; |
| 7 | means for decoding the control code to generate control signals; and |
| 8 | means for transmitting the control signals to a plurality of addressable |
| 9 | power switches, |
| 10 | wherein each addressable power switch is coupled to and controls power |
| 11 | applied to a corresponding video camera, and |
| 12 | wherein the control signals are configured such that power is applied to a |
| 13 | single video camera at a time. |
| 1 | 25. A method for providing access to a plurality of video cameras, the |
| 2 | method comprising: |
| | |
| 3 | receiving a command from a requestor to view images from a particular |
| 4 | camera of the plurality of video cameras, wherein the command as received is encrypted |
| 5 | using a private key of the requestor; |
| 6 | decrypting the command by using a public key of the requestor to |
| 7 | determine if the command is authentic; |
| 8 | processing the command to determine if the command is authorized; |
| 9 | if the command is authentic and authorized, then a) encrypting a video |
| 10 | signal from the particular camera by using the public key such that the requestor may |

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decrypt the video signal using the private key and b) transmitting the encrypted video 11

12 signal to the requestor.